

NORTH CAROLINA

Science and Engineering Profile

	N. Carolina	U.S.	Rank		N. Carolina	U.S.	Rank
Doctoral scientists, 1993	12,189	430,332	12	Total R&D performance, 1993 (millions)	\$2,745	\$161,427	18
Doctoral engineers, 1993	1,388	81,293	16	Industry R&D, 1993 (millions)	\$1,929	\$117,622	17
S&E doctorates awarded, 1995	691	26,482	9	Academic R&D, 1994 (millions)	\$658	\$20,573	9
of which, in life sciences	35%	24%		of which, in life sciences	71%	55%	
in engineering	20%	23%		in engineering	10%	16%	
in social sciences	14%	15%		in social sciences	5%	4%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	1,372	36,143	6	expenditures, 1993 (millions)	\$5,012	\$163,994	9
S&E graduate students, 1994				Number of SBIR awards, 1990-94	209	18,023	22
in doctorate-granting institutions	9,570	438,694	14	Patents issued to state residents, 1995	1,038	55,717	16
Population, 1995 (000s)	7,195	262,755	11	Gross state product, 1992 (billions)	\$159.6	\$5,994.1	11
Civilian labor force, 1995 (000s)	3,636	132,281	10	of which, agriculture	2%	2%	
Personal income per capita, 1995	\$20,604	\$22,788	34	manufacturing, mining, construction	34%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1995 (millions)	\$30,656	\$1,326,294	15	wholesale and retail trade	15%	16%	
R&D obligations, 1994 (millions)	\$734	\$65,654	21	finance, insurance, real estate	14%	18%	
				services	14%	20%	
				government	13%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in North Carolina by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	734,323	112,716	0	113,980	448,777	45,822	13,028	21
Department of Agriculture	34,665	18,579	0	3	16,065	18	0	13
Department of Commerce	13,907	6,532	0	1,156	6,075	0	144	13
Department of Defense	133,173	45,651	0	45,428	40,023	2,071	0	27
Department of Energy	13,107	895	0	1,399	9,413	1,400	0	32
Dept. of Health & Human Services	359,925	852	0	10,791	307,325	38,120	2,837	7
Department of the Interior	3,662	3,147	0	8	357	0	150	35
Department of Transportation	4,648	13	0	53	2,711	0	1,871	26
Environmental Protection Agency	117,578	36,820	0	52,993	19,739	0	8,026	2
Nat'l Aeronautics & Space Admin.	10,462	127	0	1,748	6,668	1,919	0	29
National Science Foundation	43,196	100	0	401	40,401	2,294	0	16
State rank	21	20	na	26	7	13	4	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.